

MAXYMILLIAN TECHNOLOGIES, INC.

**BNL: PECONIC RIVER REMEDIAL
ALTERNATIVES**

DECEMBER 2000

MAXYMILLIAN TECHNOLOGIES, INC.

COMPANY OVERVIEW

- Private, Full Service Remedial Contractor
- Civil and Heavy Construction Background
- Earth Support and Materials Handling Focus
- Extensive Sediment Removal and Waterway Experience

SEDIMENT REMOVAL EXPERIENCE

- Removed thousands of tons of soils and waterway sediments, including PCB, PAH and Metals contaminated sediments
- Work within rivers, lakes, harbors, and wetlands
- Techniques include source removal, source control, impervious barriers, dredging, and specialized excavation.

TURBIDITY CONTROL DURING SEDIMENT REMOVAL

- Barriers
- Specialized Removal Techniques
- Measurement Before, During, and After

TURBIDITY CONTROL BARRIERS

- Haybales, Silt Fence
- Floating Turbidity Curtains
- Collection Basins
- Sheet Pile Walls, Sealed Joint Sheeting

CONTROLLED EXCAVATION/ REMOVAL TECHNIQUES

- Cofferdams/Water Diversion
- Cable Arm - Environmental Dredging Bucket
- Hydraulic Dredging Bucket
- Global Positioning System (GPS) Excavation

MESSER STREET FORMER MANUFACTURED GAS PLANT REMEDIATION

















MESSER STREET TURBIDITY MONITORING

- Downstream turbidity not to exceed 10x upstream measured within 200' of activity
- If exceedance, work stops & install additional controls
- Measure 3x per day during work activity
- Typical upstream 0.00-0.01 NTU
- Typical downstream 0.01-0.02 NTU during work
- No exceedances recorded

MORTON BEVERLY MERCURY SEDIMENT REMOVAL





HOUSATONIC RIVER - PCB SEDIMENT REMOVAL









HOUSATONIC RIVER - TURBIDITY MONITORING

- Downstream turbidity not to exceed upstream turbidity +50 NTU
- Hourly samples collected above and below work limits to form daily composites
- If exceedance, increase PCB, TSS sampling
- Typical upstream 2-3 NTU
- Typical downstream 2-3 NTU

WETLANDS RESTORATION EXPERIENCE

- Produce minimal environmental impact
- Low ground pressure equipment
- Long reach equipment
- Limited use of access roadways
- Wetlands Restoration
- Riverbank Reconstruction and Restoration











